MEASUREMENT BOOK

of work	Dimensions				Contents	Ref. to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	

SBE No- 200/16-17
29/11/2016

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191346

No. 2nd and final Bill

of work ..... From ..... To .....

of Contractor of nature of Agency ICRISAT

f commencement of work D.O. Receipt 29/11/2016

BR-6A47 29-11-16

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
Name of work	Development and Improvement of Roads and drains in Main Road and Cross-Roads in Wadaki Gram Panchayat in Medchal Sub-Division.					
NIB. no	011-16-00002					
Work order no	EE/BTP/BBMR/ICRISAT/WO/20 2016-17/dt. 20-07-2016					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Dismantling of existing structures, like culverts, bridges, retaining walls and other structure Comprising of masonry, cement Concrete mould work, steel work including cutting and chipping and defacing wherever necessary, during the dismantled material, disposal of unserviceable material and stacking the serviceable materials with all lifts and Lead and 10,000 m Complete as per specifications lump sum by Manual measurement complete						

erial No. .....
ame of work .....
ame of Contractor of
ate of commenceme

Date	Full descr
1	
	(2) Exp du 2 &

Dimensions			Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8
)	Structures, Life & Works,				
, and other structure Comprise					
Contracts would Work, Steel					
p and defolding wherever					
d & marked/ marked, disposal					
ed of stacking the demerits					
ths and Level and 10,000 m					
specifications brief etc by					
Comple					

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191347

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						227.22	
			qty made this bill.			Limit - 221.65	
			P.no.191396 to no. (1): 192.40 m³ @				
						@ 382.32/m³	
							73558=37
							84741.00
	(2) Earthwork Excavation by manual means in ordy dust. including an average horizontal throw upto 2 m & an average lift upto 0.50m, Excavated Surface levelled and finally neatly dressed. the						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	disposed Earth to be levelled neatly after body of work is Complete as per specifications and directions of Engineer. In-charge of work.						
	Ohy vide Estd. MB.						
	Item. (2) p.no 19139					352.56 m³	20874
(3)	Providing and laying in position plain C.C of mix 1:4:8 with one coat of 18 gg with 40mm down size graded granite metal coarse aggregate @ 0.85 m³ and fine aggregate @ 0.57 m³					Limit 245.44 @83.76/m	29318.85

Serial No. .....
Name of work .....
Name of Contractor of nature of Ag
Date of commencement of work....

Date	Full description, etc, of w
1	2
	machine mix exceeding 15 and plinth, fin Item. of wo specifications a work

ASUREMENT BOOK

Dimensions				Contents	Reference to last Measureme
Number 3	Length 4	Breadth 5	Depth 6	7	8

e laveled neatly after being
as per specifications and directio
of work.
Only wide third. MB. P
(2) P.no 191396 : 352.56 m³ 20374-
Limit 245.00 e83.16 29318.88
within plain C.C of mix
e 1801gs with 40mm nd
granite metal coarse
and fine aggregate (0.57m³

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191348

erial No. .....
ame of work ..... From ..... To .....
ame of Contractor of nature of Agency.....
ate of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	making mixed concrete Land is layer. not, exceeding 15cms, thick well compacted, finishing and plinth, including cost of all materials, labour, Hom. of machinery cong. etc complete as per specifications and directions of Engineer. in-charge of the Work. Only wide this MB. P.NO. 191398 #. (3)						1685 873.09 1463375.16

= 288.60 m³ @ 5070.60/m³
332.48

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) Providing and laying cement concrete using 20mm and down size granite jelly of Ready mixed concrete (RMC) for RCC works laid in 15cms thick layer and well compacted, vibrating, curing, finishing with necessary c.m, form works, and scaffolding with with steel pumping of concrete with all leads and lifts complete, RMC M-20(1:1:2:3) for Raft foundation Column, footing, Wall and Secondary Beam etc complete as per specification.						

Serial No. .....
Name of work .....
Name of Contractor of nature of Agen
Date of commencement of work.....

Date	Full description, etc, of wor
1	2
	M.S. polys 4) 3rd mas. bhas
	CROSS-Road
	Patch work

ASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
ement concrete using 20mm					
ile Jetty of Ready mixed concrete					
laid in 15cms thick layers and					
mbing, curing, finishing Works					
ays, and scaffolding to Works					
ment Work all complete as per					
(1:1½:3) for Raft foundation					
d density Beam etc					
rete.					

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191349

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	M.S. pdys						
	a) 3rd mais. bm's Rms	1	30.00	$\frac{5.0+6.0}{2}$	0.10	= 16.50	
		1	12.30	$\frac{6.0+3.8}{2}$	0.10	= 6.09	
		1	30.00	$\frac{3.4+4.6}{2}$	0.10	= 11.20	
		1	15.20	$\frac{4.1+3.8}{2}$	0.10	= 6.00	
		1	32.90	2.80	0.10	= 9.21	
		1	3.20	$\frac{2.2+2.4}{2}$	0.10	= 0.74	
		1	19.20	$\frac{3.3+3.9}{2}$	0.125	= 8.64	
	Cross-Road	1	36.50	$\frac{3.3+2.8}{2}$	0.10	= 11.17	
	Patch Work	1	35.00	2.00	0.10	= 8.75	
		1	5.00	2.00	0.10	= 1.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(b) New - Manjadi (New)	1	30.00	$\frac{3.84+4.2}{2}$	0.125 =	17.63	
		1	14.60	$\frac{4.5+4.1}{2}$	0.125 =	7.85	
	(c) Passage Checked.	1	17.50	2.00	0.125 =	4.38	
	(d) Tamarind Tree Road	1	21.60	2.10	0.125 =	5.67	
	2nd CRoss	1	29.70	4.80	0.10 =	14.26	
	(e) — 3rd CRoss	1	26.80	$\frac{3.0+2.0}{2}$	0.10 =	6.70	
	(f) — 5th CRoss	1	33.70	5.60	0.10 =	18.87	
		1	36.70	$\frac{4.8+3.8}{2}$	0.10 =	15.78	
		1	14.00	$\frac{2.0+3.7}{2}$	0.10 =	4.13	
	CRoss - Road 1	1	16.30	$\frac{3.7+2.0}{2}$	0.10 =	4.65	
		1	6.10	5.80	0.10 =	3.54	
		1	35.50	$\frac{4.0+3.7}{2}$	0.10 =	13.67	

erial No. .....
ame of work .....
ame of Contractor of nature of Agency.....
ate of commencement of work.....

Date	Full description, etc, of work
1	2

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು,
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬಿ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97

SUREMENT BOOK

Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measureme 8
1	30.00	3.8+4.2/2	0.125	17.63	
1	14.60	4.5+4.1/2	0.125	7.88	
1	14.50	2.40	0.125	4.38	
1	21.60	2.10	0.125	5.67	
1	29.70	4.80	0.10	14.26	
1	26.80	3.0+2.0/2	0.10	6.70	
1	33.70	5.60	0.10	18.87	
1	36.70	4.8+3.8/2	0.10	15.78	
1	14.00	2.4+3.7/2	0.10	4.13	
1	16.30	3.7+2.0/2	0.10	4.65	
1	6.10	5.80	0.10	3.54	
1	35.00	4.0+3.7/2	0.10	13.67	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191350

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	4.00	2.90	0.10	1.16	
		1	17.20	8.3+4.3+3.4/3	0.10	9.17	
		1	4.00	3.00	0.10	1.20	
		1	30.00	2.7+2.5/2	0.10	7.47	
		1	25.00	2.25+2.2/2	0.10	5.56	
		1	16.00	2.3+2.0/2	0.10	23.84	1,40,3497-
		1	22.00	2.8+2.5/2	0.10	5.78	14,02,497.00
						221.75	12,18,284.50

cfr Mohan

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು,
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97.

L+I+O. 221.65 192.404 @6332.04/m³

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5) Vacuum-de-Watering with vacuum pump and suction mat and Compaction with steel floater clubbed with floating disc including cost of generator running of machinery Screed vibrating, power floater blade and disc etc Complete as per specifications and directions of Engineer-in-charge of the work						
	97-3rd mile 6th CRoad	1	30.00	$\frac{5.0+6.0}{2}$	=	165.00	
		1	12.30	$\frac{6.0+3.9}{2}$	=	60.89	
		1	30.00	$\frac{3.4+4.1}{2}$	=	112.50	
		1	15.20	$\frac{4.1+3.8}{2}$	=	60.04	
	CRoss-Road						
		1	36.00	$\frac{3.3+2.8}{2}$	=	111.33	
		1	35.00	$\frac{5.0}{2}$	=	87.50	

Serial No. .....
Name of work .....
Name of Contractor of nature of Age
Date of commencement of work.....

Date	Full description, etc, of wo
1	2
	Near unmetalled
	Passage
	Jammed steel Road 2nd CR

ASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
			Using vacuum pump and electric			
			Using steam floater clubbed with			
			cooling generator running of			
			vibrating, power floater blade			
			are as per specifications and directions			
			given the work			
	1	30.00	$\frac{5.0+6.0}{2}$	= 165.00		
	1	12.30	$\frac{6.0+3.9}{2}$	= 60.89		
	1	30.00	$\frac{3.4+4.1}{2}$	= 112.50		
	1	15.20	$\frac{4.1+3.8}{2}$	= 60.04		
	1	36.00	$\frac{3.3+2.8}{2}$	= 111.33		
	1	35.00	$\frac{2.0}{2}$	= 87.50		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191351

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number 3	Length 4	Breadth 5	Depth 6	7	8
		1	32.90	2.80	-	92.12	
		1	3.20	$\frac{2.2+2.4}{2}$	=	7.36	
		1	19.20	$\frac{3.3+3.9}{2}$	=	69.12	
	New Compound	1	30.00	$\frac{4.0+4.7}{2}$	=	141.00	
		1	14.60	$\frac{4.5+4.1}{2}$	=	62.78	
	Passage	1	17.50	2.00	=	35.00	
		1	21.60	2.10	=	45.36	
	Jammu Tawi Road Entry	1	29.70	4.80	=	142.56	
		1	26.80	$\frac{3.0+2.0}{2}$	-	67.00	
		1	35.50	$\frac{4.0+3.7}{2}$	-	136.68	
		1	6.10	$\frac{5.8}{2}$	-	35.38	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Tammind tree Road 3rd CR	1	33.70	5.60	.	188.72	
		1	36.70	$\frac{4.8+3.8}{2}$	=	157.81	
		1	14.50	$\frac{2.0+3.70}{2}$	=	41.33	
		1	16.30	$\frac{3.7+2.0}{2}$	=	48.46	
		1	4.00	2.90	=	11.60	
		1	17.20	$\frac{8.3+4.3+3.6}{3}$	=	91.73	
		1	4.00	3.00	.	12.00	
		1	30.00	$\frac{2.2+2.25}{2}$	=	74.25	
		1	25.00	$\frac{2.25+2.2}{2}$	=	55.63	
		1	16.00	$\frac{2.3+2.5}{2}$	=	38.40	
	patch work	1	5.00	2.00	.	10.00	

erial No. .....
ame of work .....
ame of Contractor of nature of Ag
ate of commencement of work....

Date	Full description, etc, of w
1	2
	5) Providing groo... depth 800 m... generator an... Coolant etc... sand an... c/c includ... Rdoom., lead...

ASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
1	33.70	5.60	.	188.72	
1	36.70	$\frac{4.8+3.8}{2}$	=	157.81	
1	14.50	$\frac{2.0+3.70}{2}$	=	41.33	
1	16.30	$\frac{3.7+2.0}{2}$	=	48.46	
1	4.00	2.90	=	11.60	
1	17.20	$\frac{8.3+4.3+3.4}{3}$	=	91.73	
1	4.00	3.00	.	12.00	
1	30.00	$\frac{2.7+2.25}{2}$	=	74.25	
1	25.00	$\frac{2.25+2.2}{2}$	=	55.63	
1	16.00	$\frac{2.3+2.5}{2}$	=	38.40	
1	5.00	2.00	.	10.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191352

erial No. .....

ame of work ..... From ..... To .....

lame of Contractor of nature of Agency.....

)ate of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		22.00	$\frac{2.5+2.75}{2}$		=	57.75	
	6) Providing grooves [illegible] depth 80 mm - 100 mm including cost of all tools generator and hiring of machinery including cost of blade coolant etc including clearing of groove and providing sand and hut bitumen fillers, and filling molten etc including cost of conveyance of all materials, labour, lead and lift charges and all other incidentals			Width of 5 mm to 10 mm as		2216.50	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬ್ಯಾಲಹಂಕ ವಲಯ,
ಬೆಂ.ಮ.ನ.ಪಾ.ಸಂಸ್ಥೆ, ಬೆಂಗಳೂರು-9

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Charges as per drawing and as per specifications of directions of Engineer-in-charge of work.						
		10	3.00	-	-	30.00	
		11	2.50	-	-	27.50	
		12	3.00	-	-	36.00	
		12	4.00	-	-	48.00	
		8	2.80	-	-	22.40	
		7	3.80	-	-	26.60	
		8	3.50	-	-	28.00	
						218.50	
		Total	247.50		@ 124.20/-	~~23660.00~~	27014
(7)	Providing, laying, spreading and compacting graded						

erial No. .....
lame of work .....
lame of Contractor of nature of Ag
ate of commencement of work.....

Date	Full description, etc, of w
1	2
	Stone ass... including pre... in-mechanical to hopper to th... in sub-base ... and compaction ... desired den... and direction ...

EASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							Grade thick B.P. No 19139 & 352.56
							# No (7). @ ₹1713.96/m³
8)	Providing and applying primer coat with a.s. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg/m² using mechanical means etc complete as per specification and direction Engineer-in-charge of work.					60,273.71	

erial No. .....
ame of work .....
ame of Contractor of nature of Ag
ate of commencement of work....

Date	Full description, etc, of v
1	2
9)	Providing and A Prepared on per desig course inc hot mixed

EASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8

9% rate this M.B. p. no 191396
no (7). 352.56 m² @ 1713.96/m²

primer coat with s.s. bitumen 604273.76
ve) surface of granular base
m including cleaning of road surface
at the rate of 0.60 kg/m²
mer in the complete as per
ubsh Engineer-in-charge

M. A. R. 57 (Rule 116)
Measurement Book

No. B
191354

erial No. .....
ame of work ..... From ..... To .....
ame of Contractor of nature of Agency.....
ate of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
					9% rate this M.B. # no (5) p. no 191395 = 784.17 m² @ 28.08/m²		22015-
97	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregate as per design mix formula for base/binder course including loading aggregate with PE loader hot mixing of stone aggregate and bitumen in hot						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	...ssed plants, transporting to the mixed materials in tipper to paver and laying mixed materials with Paver finisher to the required level and grade Rolling by power Rollers to achieve the desired density but excluding costing primer / tack coat including lead and lift and costing all material, labour, hire of machinery Complete as per specifications.						
		1	15.00	$\frac{4.915}{2}$	0.05	3.984	

erial No. .....
ame of work .....
ame of Contractor of nature of
ate of commencement of work

Date	Full description, etc,
1	2

EASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
...ss / ...to the mixed Materials is ...d laying mixed materials with ...the required level and gradi... ...ollo to achieve desired dimen... ...ng primer / tack coat including Lead and Lift and ..., labour, hire of machinery ...epairs etc.						
	1	15.00	$\frac{4.9+5.7}{2}$	0.05	= 3.98	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191355

...erial No. .....
...ame of work ..... From ..... To .....
...ame of Contractor of nature of Agency.....
...ate of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	$\frac{5.7+9.8}{2}$	0.05	= 5.61	
		1	15.00	$\frac{9.8+12.1}{2}$	0.05	= 8.24	
		1	15.00	$\frac{12.1+11.1}{2}$	0.05	= 8.70	
		1	14.00	$\frac{11.1+7.6}{2}$	0.05	= 6.51	
		1	6.00	$\frac{3.6+4.5}{2}$	0.05	= 3.04	
		1	15.20	$\frac{4.5+3.2}{2}$	0.05	= 2.93	
						39.17 m³	2000011.42

@ ₹106.24/m³

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	10) Providing and applying tack coat using 80/100 grade bitumen (VG-10) on the prepared black topped surfaces at 2.5 kg/m² heating bitumen in boiler fitted with spray set (excluding cleaning Road surface) including costing all material, labour, running machinery etc complete as per specifications and directions of Engineer-in-charge work.						
	9th mode flow. (8)						
	= 784.00 m² @ 11.88 /m²						9814
							9315.94

Serial No. .....
Name of work .....
Name of Contractor of nature of Ag
Date of commencement of work.....

Date	Full description, etc, of w
1	2
	(9) Providing and
	With hot mi
	grading, pr
	transporting
	paver finishe
	alignment,
	and tandem
	as per mor

ASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8

...ng facie coat using 80/100 grade ...the prepared blacktopping surface ...of bitumen in boiler drifted with ...ably cleaning Road surface) including ...al, labour, tools & machinery ...specifications and directions of ...work.

qty as abstract No. (8)

= 784.00 m² @ 11.88 kg/m² — 9314 — 9315.94

784.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191356

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Providing and laying bituminous concrete 40 mm thick with hot mix plant using crushed aggregate of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tipper lorries, finishing to the required grade level and alignment, Rolling with smooth wheeled Vibratory and tandem Rollers to achieve the desired Compaction as per morth specifications clause no. 509 complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	In all respects as per specifications, MORTH specifications NO-509, using 40/60 TPH Capacity with mechanical Pavers - Gr-B (30 to 45mm) with 6% VG-30 Bitumen etc complete as per specifications.						
	Ringapur. Main Road from Asst. Pre. drawing Completed Transformer					Avg	
		1	15.00	$\frac{4.9+5.7}{2}$	0.04	= 3.184	
		1	15.00	$\frac{8.7+9.8}{2}$	0.04	= 4.60	
		1	15.00	$\frac{9.8+12.}{2}$	0.04	= 6.57	
		1	15.00	$\frac{12.1+11.}{2}$	0.04	= 6.76	

ASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
		r specification, MORTH specifications TPH Capacity with mechanical 45mm) With 6T. VG-30 Bitumen specifications.				
				A/c		
1	15.00		4.9+5.7/2	0.04 = 3.184		
1	15.00		8.7+9.8/2	0.04 = 4.60		
1	15.00		9.8+12.1/2	0.04 = 6.57		
1	15.00		12.1+11.1/2	0.04 = 6.76		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191357

rial No. .....
me of work ..... From ..... To .....
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Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
		1	14.00	11.1+7.6/2	0.04 = 5.24		
		1	15.00	3.6+4.3/2	0.04 = 2.43		
		1	15.20	4.5+3.2/2	0.04 = 2.34		
						31.343	
						@ 7699.32	
							241296.69
	12) Road marking with hot applied thermoplastic						

C4F Mohan
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ.
ಯಲಹಂಕ ವಲಯ,
ಬ. ಬೆಂ. ಮ ಪಾ., ಬೆಂಗಳೂರು-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Compound with reflecting glass beads on bituminous surface providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflecting glass beads of 250 gms per m2 over, thickness of 2.5 mm in exclusive of surface to level, uniform free from streaks and holes etc complete as per specifications						
	—not operated—						
1.37)	Lead for disposal of debris shall be payable						

erial No. .....
ame of work .....
ame of Contractor of nature of Agency...
ate of commencement of work.....

Date	Full description, etc, of work
1	2
	at Carriage rate
	loading and unload
	Complete as per
	Engineer-in-cha

UREMENT BOOK

ber	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurem 8

nisty glass blends as bitumen
y of hot applied thermo-
m thick including reflector-
250 gms per m2 over,
exclusive of duffe to land,
els. and huts etc complete

—not operated— ——

debris shall be payable

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191358

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	at Carriage rates by mechanical means including loading and unloading charges from 0.00m to 11.90m etc Complete as per specifications and directions of Engineer-in-charge of work.						
			9 Rg. as per Sl no. (1 & 2)				
			2 (192.40 m² + 352.56 m²)				58931-
			2 544.96 m²				58871.03
			Limit - 537.54				
			Ltd to 537.54 @ 109.63 /-				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	45,72788-00				Total B/F		4573502.00 4135491=99
					Add B/F. Service charges for R.A.2		330839=20 3,65,880.40
					Add B/F. Third party inspection Chgs		41354=99 45755=20
					Grand Total		4307685=00 49,85,117=40

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯುದೀಕರಣ ಮತ್ತು ಯಂತ್ರಾಗಾರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
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Date	Full descriptio
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EASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
					Total B	4,73,502-00 41,55,491-00
					Sp. Service charges for RMC @	33083[illegible] 3,15,880-00
					Hy. Hired party Hospital Chgs	41354[illegible] 45755-00
					Grand Total @	4,50,76,85[illegible] 49,85,117

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯುಚ್ಛಕ್ತಿ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬಿ. ಬೆ. ಮ ಸಾ. ಬೆಂಗಳೂರು-೯

BR/647/29-11-16

M. A. R. 57 (Rule 116)
Measurement Book

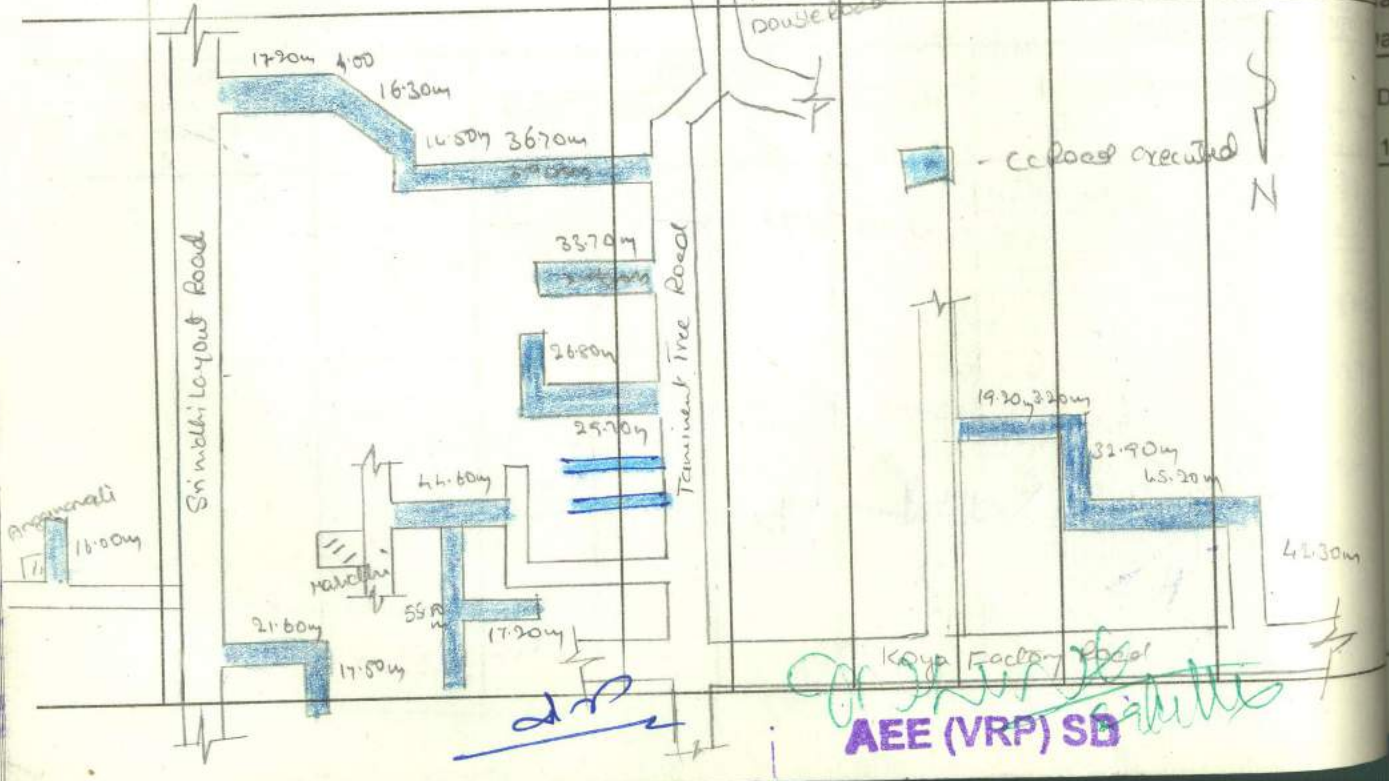
No. B
191359

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
					Total Rs	49,84,339-00	
	Audited & Admitted for Rs 49,84,339-00				JT -	99687-00	
					VAT -	199374-00	
					Cess -	49843-00	
					CBF -	4984-00	
					FSD - 24	9217-00	
					LR - 69	812-00	
					penalty -	750-00	
					Adj.	6,73,667-00	
	43,10,672-00				Charges:	43,10,672-00	
	and Rs 6,73,667-00						
	Accts Branch Byatarayanapura Dn. BBMP.						

MEASUREMENT BOOK

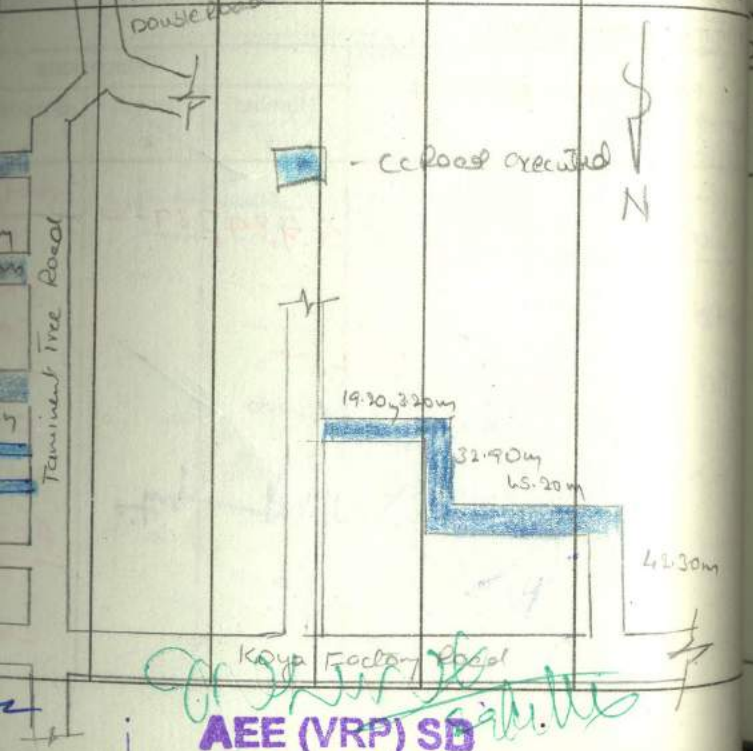
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



AEE (VRP) SD

ASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number	Length	Breadth	Depth		
3	4	5	6	7	8



AEE (VRP) SB

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191360

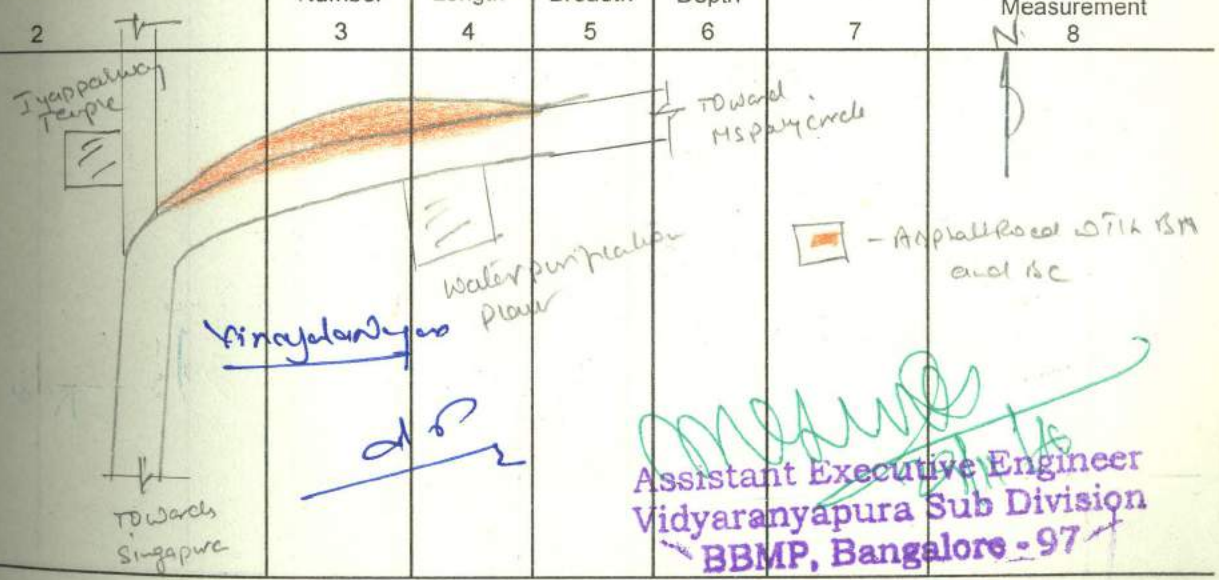
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97